



**INFORMATION  
DISCLOSURE STATEMENT  
BY APPLICANT**

Sheet 1 of 5

**COMPLETE IF KNOWN**

Application Number	10/518,108
Filing Date	December 10, 2004
First Named Inventor	WANG, et al.
Art Unit	1623
Examiner Name	Unassigned
Attorney Docket Number	4115-186

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
PL	AA	Akerfeldt, K. S., R. M. Kim, D. Camac, J. T. Groves, J. D. Lear, and W. F. DeGrado. 1992. Tetraphilin: a four-helix proton channel built on a tetraphenylporphyrin framework. J. Am. Chem. Soc. 114:9656-9657.	
I	AB	Blaskovich, M. A., Q. Lin, F. L. Delarue, J. Sun, H. S. Park, D. Coppola, A. D. Hamilton, and S. M. Sebt. 2000. Design of GFB-111, a platelet-derived growth factor binding molecule with antiangiogenic and anticancer activity against human tumors in mice. Nat. Biotechnol. 18: 1065-70.	
I	AC	Brask, J., and K. J. Jensen. 2000. Carbopeptides: chemoselective ligation of peptide aldehydes to an aminoxy-functionalized D-galactose template. J. Pept. Sci. 6:290-9.	
I	AD	Brask, J., and K. J. Jensen. 2001. Carboproteins: a 4-alpha-helix bundle protein model assembled on a D- galactopyranoside template, Bioorg. Med. Chem. Lett. 11:697-700.	
I	AE	Calvo-Calle, J. M., G. A. de Oliveira, P. Clavijo, M. Maracic, J. P. Tam, Y. A. Lu, E. H. Nardin, R. S. Nussenzweig, and A. H. Cochrane. 1993. Immunogenicity of multiple antigen peptides containing B and non-repeat T cell epitopes of the circumsporozoite protein of Plasmodium falciparum. J. Immunol. 150:1403-12.	
I	AF	Chan, D. C., and P. S. Kim. 1998. HIV entry and its inhibition. Cell. 93:681-4.	
I	AG	Dubber, M., and T. K. Lindhorst. 1998. Synthesis of octopus glycosides: core molecules for the construction of glycoclusters and carbohydrate-centered dendrimers. Carbohydr. Res. 310:35-41.	
✓	AH	Guan, Q.; Li, C.; Schmidt, E. J.; Boswell, J. S.; Walsh, J. P.; Allman, G. W.; Savage, P. B. 2000. Preparation and Characterization of Cholic Acid-Derived Antimicrobial Agents with Controlled Stabilities. Org. Lett. 2:2837-2840.	
PL	AI	Jensen, K. J., and G. Barany. 2000. Carbopeptides: carbohydrates as potential templates for de novo design of protein models. J. Pept. Res. 56:3-11.	

Examiner signature	<i>Patricia Lee</i>	Date Considered	6-29-07
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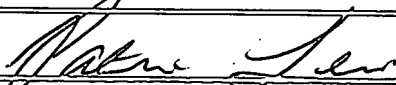
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PL	AJ	Kilby, J. M., S. Hopkins, T. M. Venetta, B. DiMassimo, G. A. Cloud, J. Y. Lee, L. Alldredge, E. Hunter, D. Lambert, D. Bolognesi, T. Matthews, M. R. Johnson, M. A. Nowak, G. M. Shaw, and M. S. Saag. 1998. Potent suppression of HIV-1 replication in humans by T-20, a peptide inhibitor of gp41-mediated virus entry. Nat. Med. 4: 1302-7.	
	AK	Lawless, M. K., S. Barney, K. I. Guthrie, T. B. Bucy, S. R. Petteway, Jr., and G. Merutka. 1996. HIV-1 membrane fusion mechanism: structural studies of the interactions between biologically-active peptides from gp41. Biochemistry. 35: 13697-708.	
	AL	Leydet, A., C. Jeantet-Segonds, C. Bouchitte, C. Moullet, B. Boyer, J. P. Roque, M. Witvrouw, J. Este, R. Snoeck, G. Andrei, and E. De Clercq. 1997. Polyanion inhibitors of human immunodeficiency virus and other viruses. 6. Micelle-like anti-HIV polyanionic compounds based on a carbohydrate core. J. Med. Chem. 40:350-6.	
	AM	Lin, Q., H. S. Park, Y. Hamuro, C. S. Lee, and A. D. Hamilton. 1998. Protein surface recognition by synthetic agents: design and structural requirements of a family of artificial receptors that bind to cytochrome c. Biopolymers. 47:285-97.	
	AN	Lindhorst, T. K. 2002. Artificial multivalent sugar ligands to understand and manipulate carbohydrate-protein interactions. Top. Curr. Chem. 218:201-235.	
	AO	Lu, Y. A., P. Clavijo, M. Galantino, Z.Y. Shen, W. Liu, and J. P. Tam. 1991. Chemically unambiguous peptide immunogen: preparation, orientation and antigenicity of purified peptide conjugated to the multiple antigen peptide system. Mol. Immunol. 28:623-30.	
	AP	Lyu, P. C.; Sherman, J. C.; Chen, A.; Kallenbach, N. R. 1991. $\alpha$ -Helix stabilization by natural and unnatural amino acids with alkyl side chains. Proc. Natl. Acad. Sci. USA. 88:5317-5320.	
PL	AQ	Madder, A.; Li, L.; De Muynck, H.; Farcy, N.; Van Haver, D.; Fant, F.; Vanhoenacker, G.; Sandra, P.; Davis, A. P.; De Clercq, P. J. 2002. Evaluation of a Two-Stage Screening Procedure in the Combinatorial Search for Serine Protease-Like Activity. J. Comb. Chem. 4:552-562.	

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R	AR	Malashkevich, V. N., D. C. Chan, C.T. Chutkowski, and P. S. Kim. 1998. Crystal structure of the simian immunodeficiency virus (SIV) gp41 core: conserved helical interactions underlie the broad inhibitory activity of gp41 peptides. Proc. Natl. Acad. Sci. USA. 95:9134-9.	
	AS	McGeary, R. P., I. Jablonkai, and I. Toth. 2001. Carbohydrate-based templates for synthetic vaccines and drug delivery. Tetrahedron. 57:8733-8742.	
	AT	Muster, T., F. Steindl, M. Purtscher, A. Trkola, A. Klima, G. Himmler, F. Ruker, and H. Katinger. 1993. A conserved neutralizing epitope on gp41 of human immunodeficiency virus type 1. J. Virol. 67:6642-7.	
	AU	Mutter, M., and G. Tuchscherer. 1997. Non-native architectures in protein design and mimicry. Cell Mol. Life Sci. 53:851-63.	
	AV	Mutter, M., G. G. Tuchscherer, C. Miller, K. H. Altmann, R. I. Carey, D. F. Wyss, A. M. Labhardt, and J. E. Rivier. 1992. Template-assembled synthetic proteins with four-helix- bundle topology. Total chemical synthesis and conformational studies. J. Am. Chem. Soc. 114: 1463-1470.	
	AW	Nardelli, B., Y. A. Lu, D. R. Shiu, C. Delpierre-Defoort, A. T. Profy, and J. P. Tam. 1992. A chemically defined synthetic vaccine model for HIV-1. J. Immunol. 148:914-20.	
	AX	Nefzi, A.; Sun, X.; Mutter, M. 1995. Chemoselective ligation of multifunctional peptides to topological templates via thioether formation for TASP synthesis. Tetrahedron Lett. 36:229-230.	
	AY	Ni, J.H., S. Singh, and L. X. Wang. 2002. Improved preparation of perallylated cyclodextrins: facile synthesis of cyclodextrin-based polycationic and polyanionic compounds. Carbohydr Res. 337:217-20.	
V	AZ	Park, H. S., Q. Lin, and A. D. Hamilton. 1999. Protein surface recognition by synthetic receptors: a route to novel submicromolar inhibitors for alpha-chymotrypsin. J. Am. Chem. Soc. 121:8-13.	
R	BA	Peczuh, M. W., and A. D. Hamilton. 2000. Peptide and protein recognition by designed molecules. Chem. Rev. 100:2479-2494.	
Examiner signature	<i>Patricia Ferri</i>		Date Considered 6-29-07

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PL	BB	Rose, K. 1994. Facile synthesis of homogeneous artificial proteins. J. Am. Chem. Soc. 116:30-33.	
	BC	Sasaki, T., and E. T. Kaiser. 1989. Helichrome: Synthesis and enzymatic activity of a designed hemeprotein. J. Am. Chem. Soc. 111:380-381.	
	BD	Shao, J., and J. P. Tam. 1995. Unprotected peptides as building blocks for the synthesis of peptide dendrimers with oxime, hydrazone, and thiazolidine linkages. J. Am. Chem. Soc. 117:3893-3899.	
	BE	Tam, J. P. 1996. Recent advances in multiple antigen peptides. J. Immunol. Methods. 196:17-32.	
	BF	Tam, J. P. 1988. Synthetic peptide vaccine design: synthesis and properties of a high-density multiple antigenic peptide system. Proc. Natl. Acad. Sci. USA. 85:5409-13.	
	BG	Tam, J. P., and Y. A. Lu. 1989. Vaccine engineering: enhancement of immunogenicity of synthetic peptide vaccines related to hepatitis in chemically defined models consisting of T- and B-cell epitopes. Proc. Natl. Acad. Sci. USA. 86:9084-8.	
	BH	Tam, J. P., Y. A. Lu, and J. L. Yang. 2002. Antimicrobial dendrimeric peptides. Eur. J. Biochem. 269:923-932.	
	BI	Tuchscherer, G. 1993. Template assembled synthetic proteins: condensation of a multifunctional peptide to a topological template via chemoselective ligation. Tetrahedron Lett. 34:8419-8422.	
	BJ	Tuchscherer, G., D. Grell, M. Mathieu, and M. Mutter. 1999. Extending the concept of template-assembled synthetic proteins. J. Pept. Res. 54: 185-94.	
	BK	Tuchscherer, G., C. Servis, G. Corradin, U. Blum, J. Rivier, and M. Mutter. 1992. Total chemical synthesis, characterization, and immunological properties of an MHC class I model using the TASP concept for protein de novo design. Protein Sci. 1: 1377-86	
PL	BL	Wang, C. Y., D. J. Looney, M. L. Li, A. M. Walfield, B. Hosein, J. Ye, J. P. Tam, and F. Wong-Staal. 1991. Long-term high-titer neutralizing activity induced by octameric synthetic HIV-1 antigen. Science. 254:285-8.	

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PL	BM	Wild, C. T., D. C. Shugars, T. K. Greenwell, C. B. McDanal, and T. J. Matthews. 1994. Peptides corresponding to a predictive alpha-helical domain of human immunodeficiency virus type 1 gp41 are potent inhibitors of virus infection. Proc. Natl. Acad. Sci. USA. 91:9770-4.	
PL	BN	Zhou, X.-T.; Atiq-ur Rehman; Li, C.; Savage, P. B. 2000. Preparation of a Protected Triamino Analogue of Cholic Acid and Sequential Incorporation of Amino Acids in Solution and on a Solid Support. Org. Lett. 2:3015-3018.	

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